

NEWS 44 Feb 24 METADEX enhancements  
NEWS 45 Feb 24 PCTGEN now available on STN  
NEWS 46 Feb 24 TEMA now available on STN  
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 48 Feb 26 PCTFULL now contains images  
NEWS 49 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 50 Mar 19 APOLLIT offering free connect time in April 2003  
NEWS 51 Mar 20 EVENTLINE will be removed from STN

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,  
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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=> file registry  
COST IN U.S. DOLLARS                      SINCE FILE    TOTAL  
                                         ENTRY    SESSION  
FULL ESTIMATED COST                      0.21    0.21

FILE 'REGISTRY' ENTERED AT 17:21:23 ON 20 MAR 2003  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAR 2003 HIGHEST RN 500101-42-8  
DICTIONARY FILE UPDATES: 19 MAR 2003 HIGHEST RN 500101-42-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

Connecting via Winsock to STN

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock  
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area  
NEWS 4 Apr 09 ZDB will be removed from STN  
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUIDB  
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS  
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER  
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available  
NEWS 9 Jun 03 New e-mail delivery for search results now available  
NEWS 10 Jun 10 MEDLINE Reload  
NEWS 11 Jun 10 PCTFULL has been reloaded  
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment  
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;  
saved answer sets no longer valid  
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY  
NEWS 15 Jul 30 NETFIRST to be removed from STN  
NEWS 16 Aug 08 CANCERLIT reload  
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN  
NEWS 18 Aug 08 NTIS has been reloaded and enhanced  
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)  
now available on STN  
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUIDB have been reloaded  
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded  
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced  
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced  
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file  
NEWS 25 Sep 16 CA Section Thesaurus available in CAPLUS and CA  
NEWS 26 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985  
NEWS 27 Oct 21 EVENTLINE has been reloaded  
NEWS 28 Oct 24 BEILSTEIN adds new search fields  
NEWS 29 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN  
NEWS 30 Oct 25 MEDLINE SDI run of October 8, 2002  
NEWS 31 Nov 18 DKILIT has been renamed APOLLIT  
NEWS 32 Nov 25 More calculated properties added to REGISTRY  
NEWS 33 Dec 02 TIBKAT will be removed from STN  
NEWS 34 Dec 04 CSA files on STN  
NEWS 35 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date  
NEWS 36 Dec 17 TOXCENTER enhanced with additional content  
NEWS 37 Dec 17 Adis Clinical Trials Insight now available on STN  
NEWS 38 Dec 30 ISMEC no longer available  
NEWS 39 Jan 13 Indexing added to some pre-1967 records in CA/CAPLUS  
NEWS 40 Jan 21 NUTRACEUT offering one free connect hour in February 2003  
NEWS 41 Jan 21 PHARMAML offering one free connect hour in February 2003  
NEWS 42 Jan 29 Simultaneous left and right truncation added to COMPENDEX,  
ENERGY, INSPEC  
NEWS 43 Feb 13 CANCERLIT is no longer being updated

E1	1	SGSGSGSGSGSGSGSGSGSGS/SQEP
E2	1	SGSGGGTTVIEDLDITIDGADGPITISEELTISGAGAGGSGPGGAGPGGVGPGGSGPGGV GPGGSGPGGVGPGGAGGPYPGGSGPGGAGGAGGPGGAYGPGGSGPGGAGGPYPGGEG PGGAGGPYPGGEGPGGAGGPYPGGAGGPYPGGAGGPYPGGAGGPYPGGAGGPYPGP GGVGPGGTGPGGYGPGGAGP/SQEP
E3	0 -->	SGSGSGGGQSGGSG/SQEP
E4	1	SGSGSGGGQSGGSGGGQSGGSGGGQSGGSGGGQSGGSGGGQSGLRS/SQEP
E5	1	SGSGSGGGQSGGSGGGQSGGSGGGQSGGSGGGQSGLRS/SQEP
E6	1	SGSGSGGGQSGGSGGGQSGLRS/SQEP
E7	1	SGSGSGGGQSGLRS/SQEP
E8	1	SGSGSGGGSG/SQEP
E9	1	SGSGSGGGSGGGSG/SQEP
E10	1	SGSGSGGYGG/SQEP
E11	1	SGSGSHGSS/SQEP
E12	1	SGSGSSSGS/SQEP

E1	1	SGGSGGGSGGSGGSGGSGGSGGS/SQEP
E2	1	SGGSGGTTVIEDLDITIDGADGPITISEELTISGAGAGGSGPGGAGPGGVGPGGSGPGGV GPGGSGPGGVGPGGAGGPYPGGSGPGGAGGAGGPGGAYGPGGSGPGGAGGPYGPGGEG PGGAGGPYPGGEGPGGAGGPYPGGAGGPYPGGAGGPYPGGAGGPYPGGAGGPYPGP GGVGPGGTGPGGYGPGGAGP/SQEP
E3	1 -->	SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGLRS/SQEP
E4	1	SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGLRS/SQEP
E5	1	SGGSGSGGQSGGSGSGGQSGGLRS/SQEP
E6	1	SGGSGSGGQSGGLRS/SQEP
E7	1	SGGSGSGGSG/SQEP
E8	1	SGGSGSGGSGSGGSG/SQEP
E9	1	SGGSGSGYGG/SQEP
E10	1	SGGSGSHGSS/SQEP
E11	1	SGGSGSSSGS/SQEP
E12	1	SGGSGTPG/SQEP

1 SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGLRS/SQEP  
34478 SQL=50  
L1 1 (SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGLRS)/SQEP  
(SGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGSGSGGQSGGLRS/SQEP AND S  
QL=50)

$\Rightarrow d \text{ all}$

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 380305-33-9 REGISTRY

[illegible]

**OTHER NAMES:**

CN 54: PN: WO0192300 SEQID: 22 claimed protein

CN Linker peptide (synthetic 50-amino acid)

FS PROTEIN SEQUENCE

SOL 50

PATENT ANNOTATIONS (PNTE):

Sequence | Patent

Source	Reference
--------	-----------

Not Given|WO2001092300

claimed  
SEQID 22

SEQ 1 SGGSGSGGQS GSGSGGGQSG GSGSGGQSGG SSGGQSGGS GSGGQSGLRS

HITS AT: 1-50

SEQ3 1 Ser-Gly-Gly-Ser-Gly-Ser-Gly-Gln-Ser-

11 Gly-Gly-Ser-Gly-Ser-Gly-Gln-Ser-Gly-

21 Gly-Ser-Gly-Ser-Gly-Gln-Ser-Gly-Gly-

31 Ser-Gly-Ser-Gly-Gln-Ser-Gly-Gly-Ser-

41 Gly-Ser-Gly-Gln-Ser-Gly-Leu-Arg-Ser

HITS AT: 1-50

MF C140 H228 N58 O73

CI MAN

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1

AN 136:34279 CA

TI Chimeric GFP-aequorin as bioluminescent Ca<sup>++</sup> reporters at the single cell level

IN Baubet, Valerie; Le Mouellic, Herve; Brulet, Philippe

PA Institut Pasteur, Fr.; Centre National De La Recherche Scientifique

SO PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM C07K014-00

CC 9-5 (Biochemical Methods)

Section cross-reference(s): 3, 6, 12, 13

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2001092300 A2 20011206 WO 2001-EP7057 20010601

WO 2001092300 A3 20021107

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1292613 A2 20030319 EP 2001-949426 20010601

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRAI US 2000-208314P 20000601

US 2000-210526P 20000609

US 2000-255111P 20001214

WO 2001-EP7057 20010601

- AB A modified bioluminescent system comprises a fluorescent mol. covalently linked with a photoprotein, wherein said link between the two proteins has the function to stabilize the modified bioluminescent system and allowing the transfer of the energy by Chemiluminescence Resonance Energy Transfer (CRET). Green fluorescent protein (GFP)-aequorin fusion proteins were prepd. to increase the quantum yield of  $\text{Ca}^{++}$ -induced bioluminescence. Chemiluminescent and fluorescent activities of these fusion proteins were assessed in mammalian cells. Cytosolic  $\text{Ca}^{++}$  increases were imaged at the single cell level with a cooled intensified CCD camera. Studies were made in dissociated neurons and in *Xenopus* embryos.
- ST chimeric GFP aequorin bioluminescence calcium cell; green fluorescent protein aequorin chimera; neuron calcium GFP aequorin fusion protein bioluminescence; *Xenopus* embryo calcium GFP aequorin chimera reporter
- IT Synaptotagmin  
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)  
 (I, fusion proteins with GFP and aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids  
 (No. I-2507; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids  
 (No. I-2508; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids  
 (No. I-2509; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids  
 (No. I-2510; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids  
 (No. I-2511; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids  
 (No. I-2512; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Plasmids  
 (No. I-2513; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Embryo, animal  
 (*Xenopus*; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Viral vectors  
 (adenovirus vectors; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Aequorins  
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)  
 (apoequorins, fusion proteins with green fluorescent protein; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Mammalia  
 Vertebrata  
 (assay in; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Analysis  
 (biochem.; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Luminescence spectroscopy  
 (bioluminescence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Structure-activity relationship

- (calcium-triggered bioluminescence, linker peptides effect on; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Resonance energy transfer  
(chemiluminescence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Analysis
  - Animal tissue culture
  - Bioassay
  - Cell
  - DNA sequences
  - Drug screening
  - Luminescence, bioluminescence
  - Protein sequences  
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Reporter gene  
RL: ARG (Analytical reagent use); BSU (Biological study, unclassified); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)  
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Chimeric gene  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Xenopus  
(embryos; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Gene, microbial  
RL: BPN (Biosynthetic preparation); BIOL (Biological study); PREP (Preparation)  
(for enhanced green fluorescent protein and aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Aequorins  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)  
(fusion proteins with green fluorescent protein; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Proteins  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(green fluorescent, enhanced green fluorescent proteins, mutagenesis and chimeric protein prepn. from; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Proteins  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)  
(green fluorescent, fusion proteins with aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Peptides, biological studies  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
(linkers; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Nerve, neoplasm  
(neuroblastoma, transfection of cells of; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Nerve  
(neuron; chimeric GFP-aequorin as bioluminescent calcium ion reporters

- at single cell level)
- IT Spinal cord  
(neurons of rat; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Biological transport  
(of calcium; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT Fusion proteins (chimeric proteins)  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); BIOL (Biological study); PREP (Preparation)  
(of green fluorescent protein and aequorin; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380231-05-0 380231-06-1 380231-07-2 380231-08-3 380231-09-4 380231-10-7  
RL: PRP (Properties)  
(amino acid sequence of linker peptide; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-25-2P 380287-26-3P 380287-27-4P 380287-28-5P 380287-29-6P 380287-30-9P  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation)  
(amino acid sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380305-33-9  
RL: PRP (Properties)  
(amino acid sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 7440-70-2, Calcium, analysis  
RL: ANT (Analyte); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study)  
(chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-23-0 380287-24-1  
RL: PRP (Properties)  
(nucleotide sequence of linker peptide; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-31-0P 380287-32-1P 380287-33-2P 380287-34-3P 380287-35-4P 380287-36-5P  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PREP (Preparation)  
(nucleotide sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380287-37-6 380287-38-7 380287-39-8  
RL: PRP (Properties)  
(nucleotide sequence; chimeric GFP-aequorin as bioluminescent calcium ion reporters at single cell level)
- IT 380299-21-8 380299-22-9  
RL: PRP (Properties)  
(unclaimed nucleotide sequence; chimeric GFP-aequorin as bioluminescent Ca<sup>++</sup> reporters at the single cell level)
- IT 380299-23-0 380299-24-1 380299-25-2 380299-26-3 380299-27-4 380299-28-5 380299-29-6 380299-30-9 380299-31-0 380299-32-1 380299-33-2 380299-34-3 380299-35-4  
RL: PRP (Properties)  
(unclaimed sequence; chimeric GFP-aequorin as bioluminescent Ca<sup>++</sup> reporters at the single cell level)